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**Title**                      *Studies on the Application of Wire grids for Broadbanding of Multi-layered Radome Panels*

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**Abstract**

*This report deals with the EM performance enhancement of both A-sandwich and C-sandwich radome wall structures using wire grids. The configurations considered are: (a) wire grid fixed on the outer surface of each skin layer (b) wire grid fixed on the outer surface of each skin layer and embedded in the mid-plane of the core and (c) wire grid embedded in each skin-core interface. The EM performance parameters of the wall configurations are evaluated based on equivalent transmission line method. A comparative study of wire compensated radome walls with the corresponding conventional wall configurations is also presented in this report.*